

UNITED STATES PATENT OFFICE.

THOMAS A. EDISON, OF NEWARK, NEW JERSEY, ASSIGNOR TO HIMSELF AND
GEORGE HARRINGTON, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN RECORDING-POINTS FOR CHEMICAL TELEGRAPHS.

Specification forming part of Letters Patent No. **168,467**, dated October 5, 1875; application filed
January 26, 1875.

CASE 105.

To all whom it may concern:

Be it known that I, THOMAS A. EDISON, of Newark, in the county of Essex and State of New Jersey, have invented an Improvement in Recording-Points for Chemical Telegraphs, of which the following is a specification:

I have found that if the decomposing and recording point of a chemical telegraph be made of metallic ruthinium, and connected to the positive pole of the battery, a coloration is made upon nearly dry paper, which had been moistened with various chemical solutions, preferably ferro-cyanide of potassium and chloride of sodium. The reaction

is of extreme delicacy, the marks being due probably to the finely-divided oxide of ruthinium formed by the electrolytic oxygen.

I claim—

A recording-point formed of metallic ruthinium in a chemical telegraph, substantially as set forth.

Signed by me this 18th day of January, A. D. 1875.

THOS. A. EDISON.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.